

FIG. 1

## F I G . 2

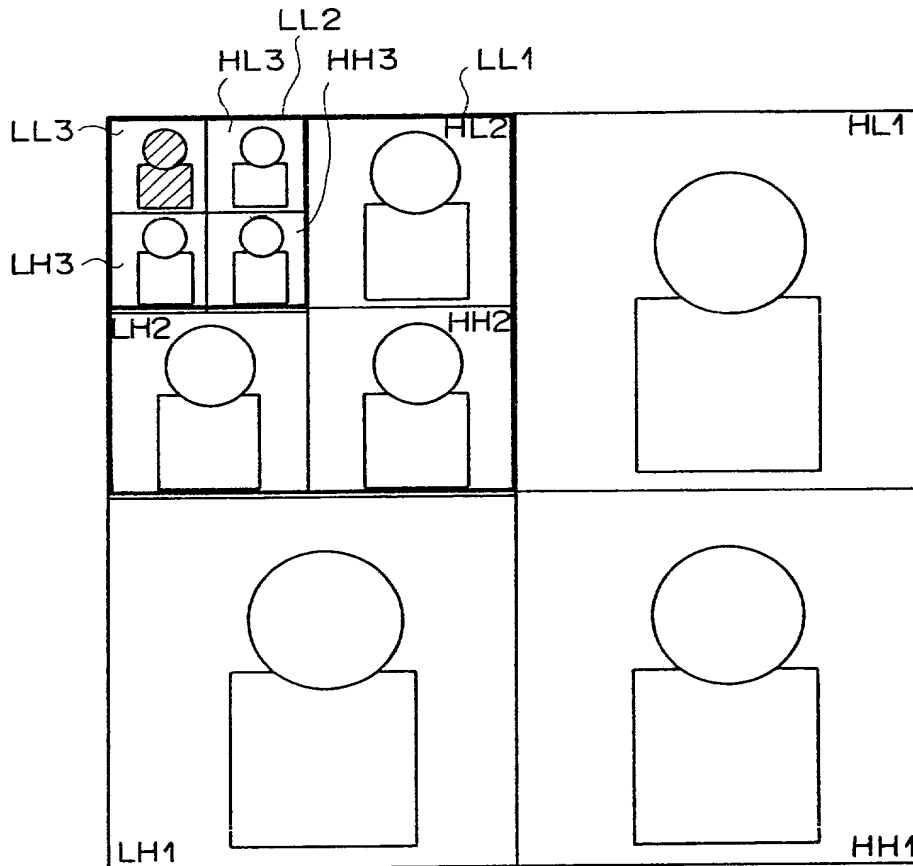
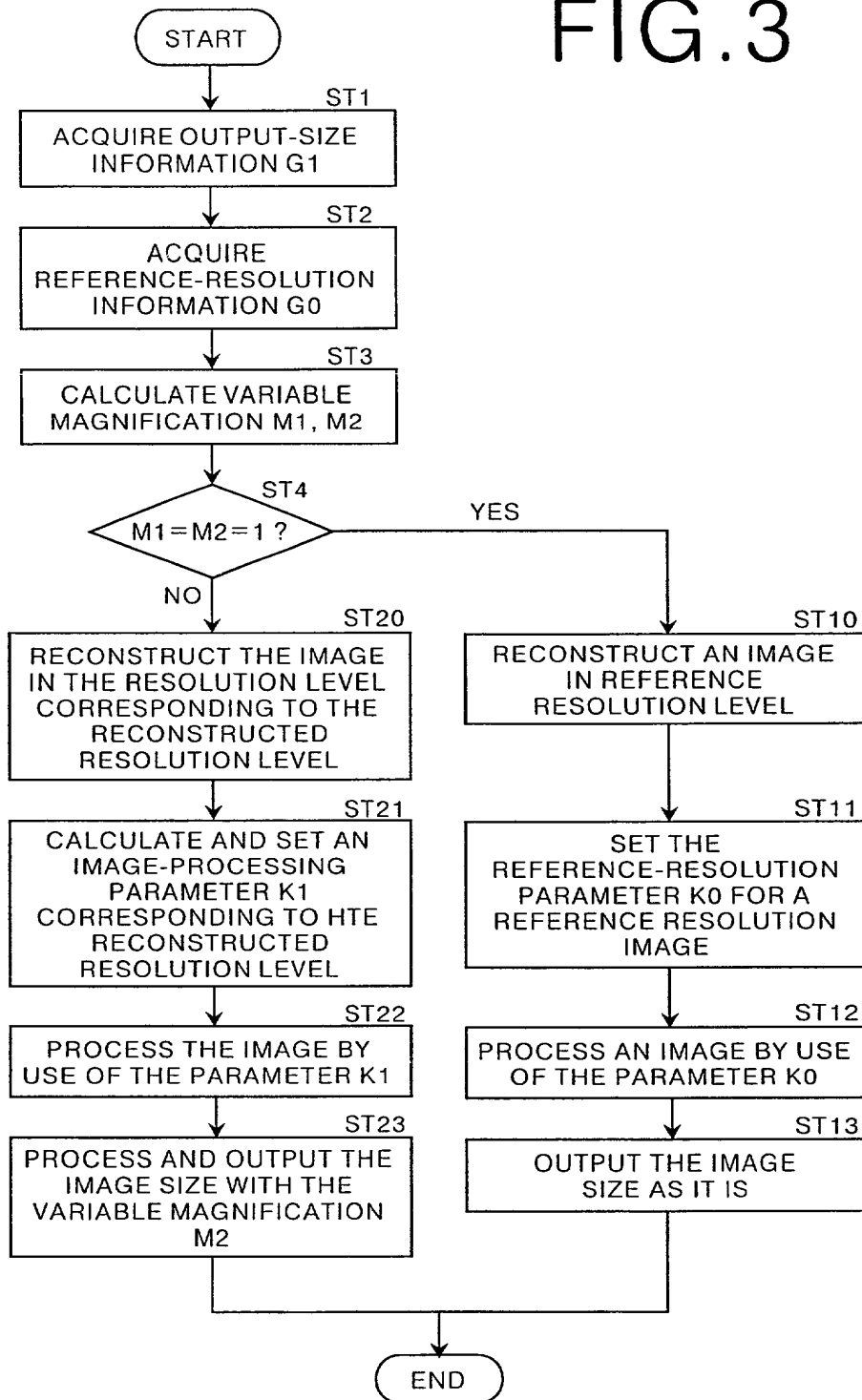
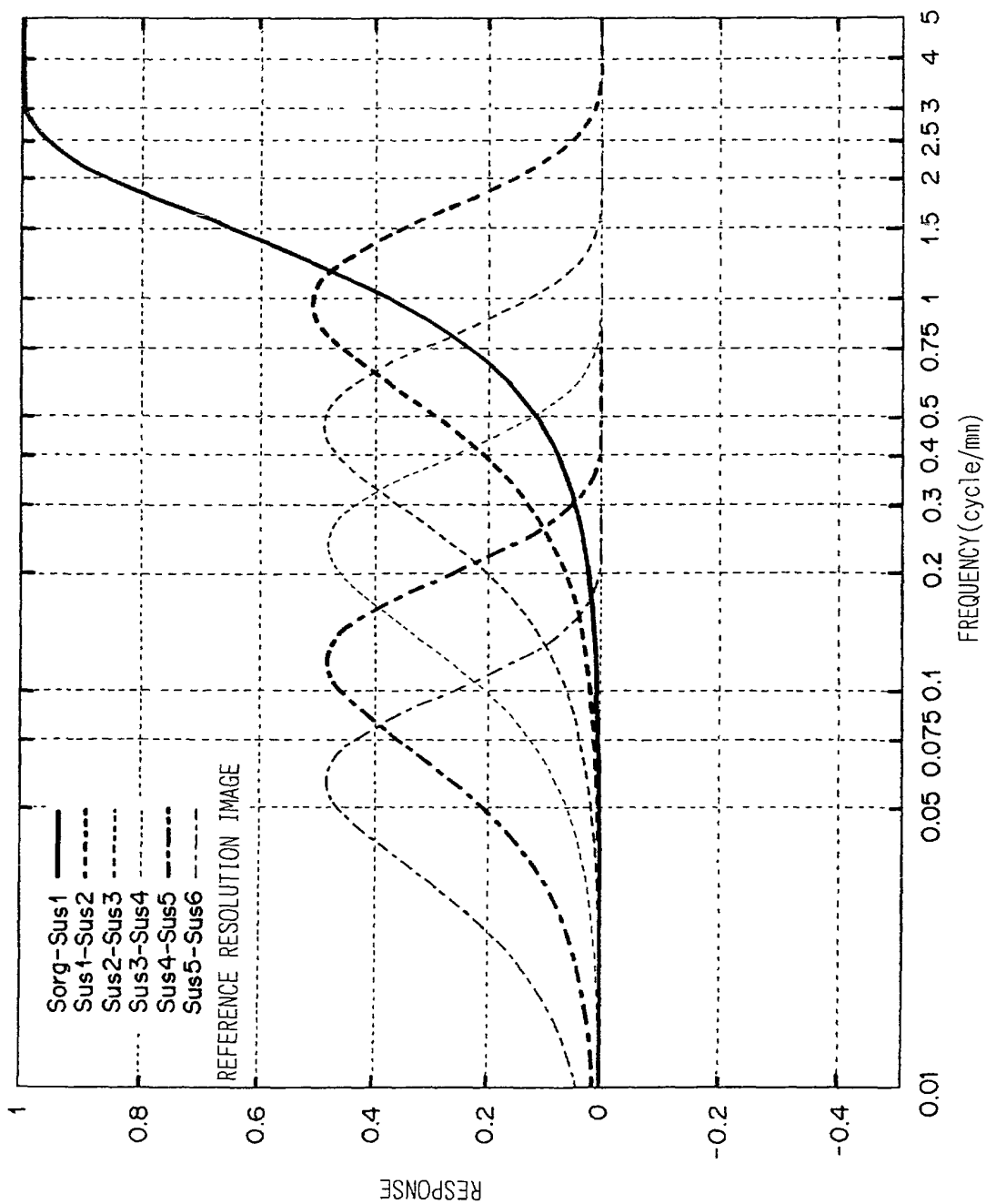


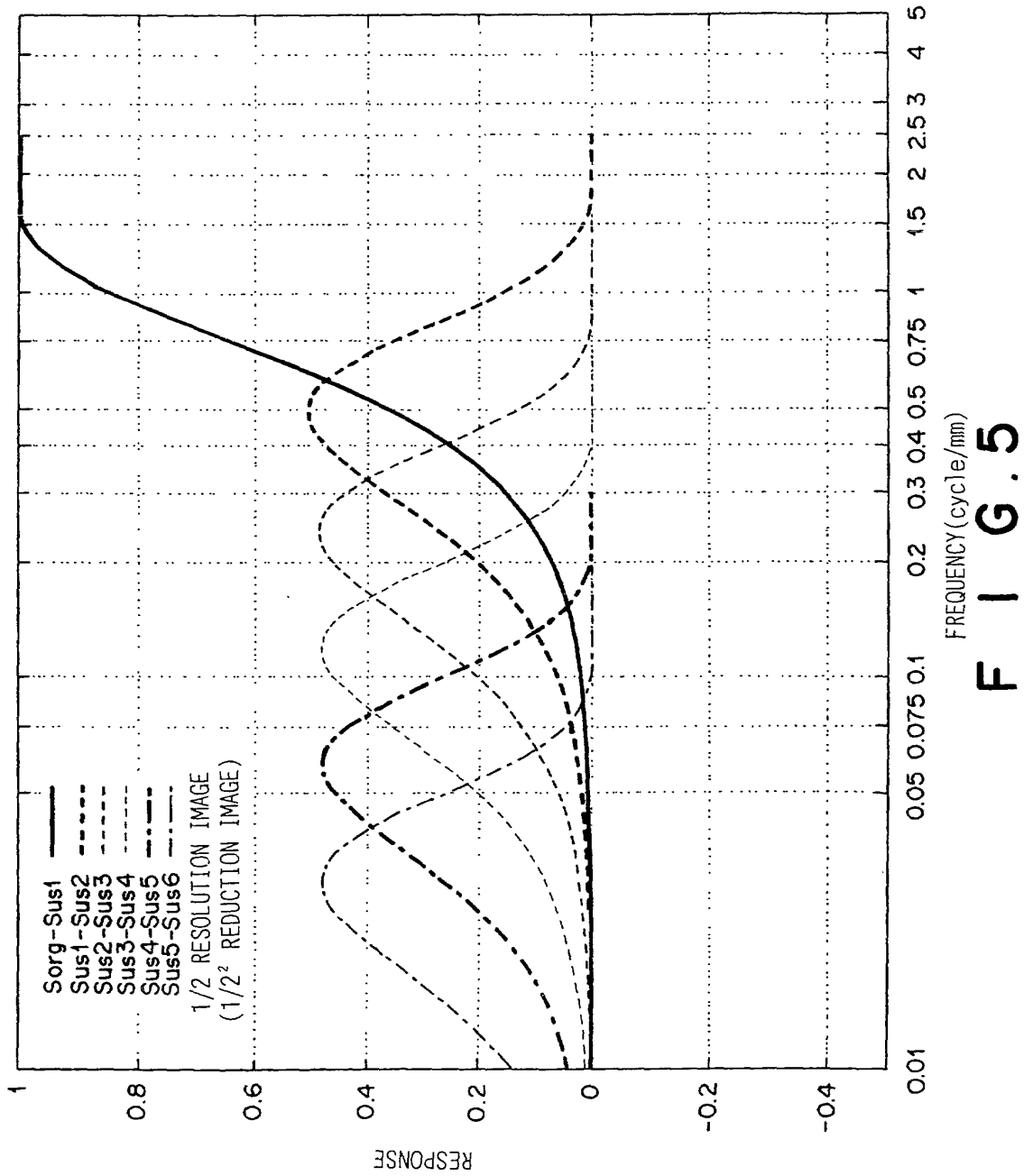
IMAGE SIGNALS SPLIT BY WAVELET FUNCTION

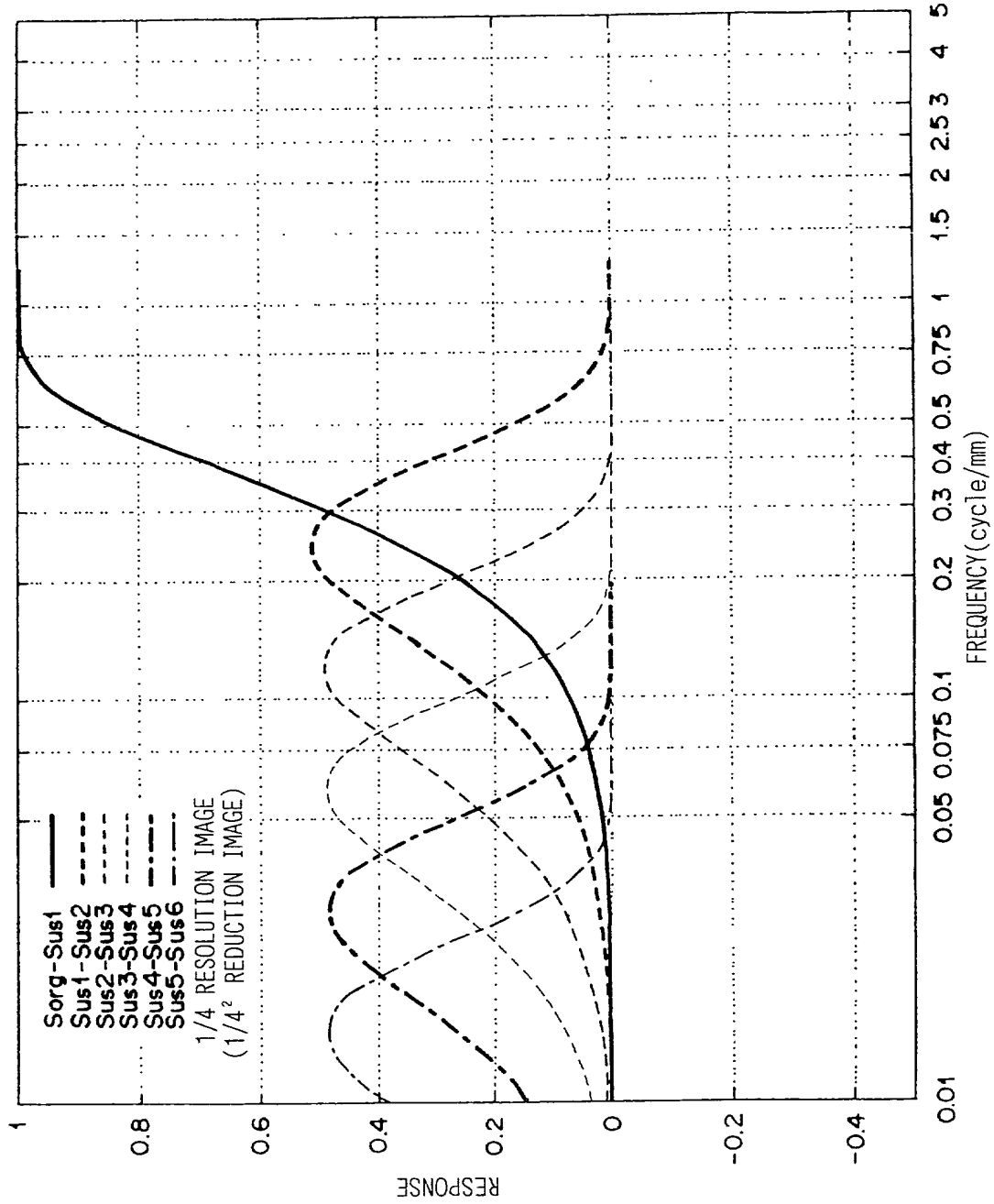
FIG.3



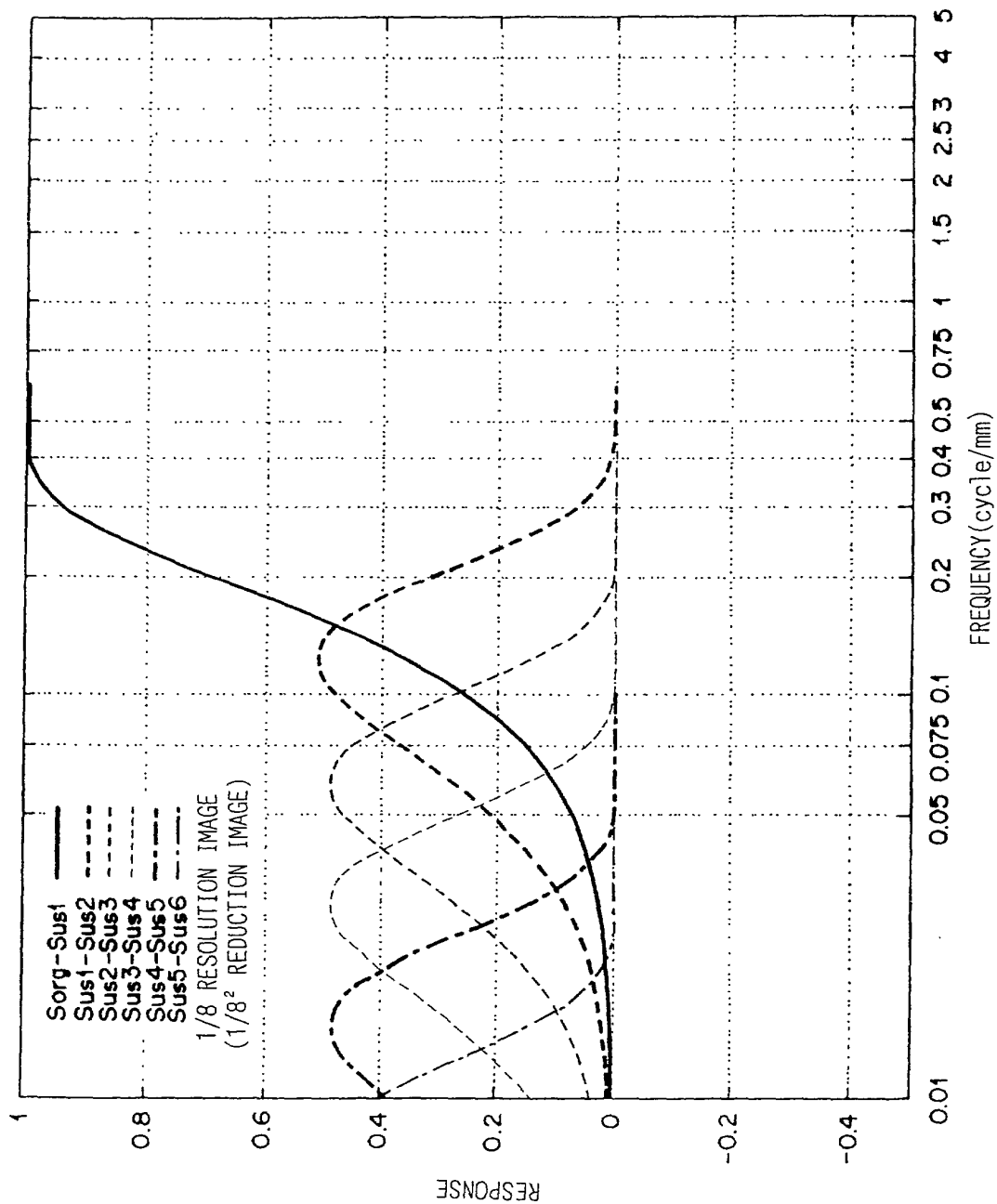


**F I G . 4**

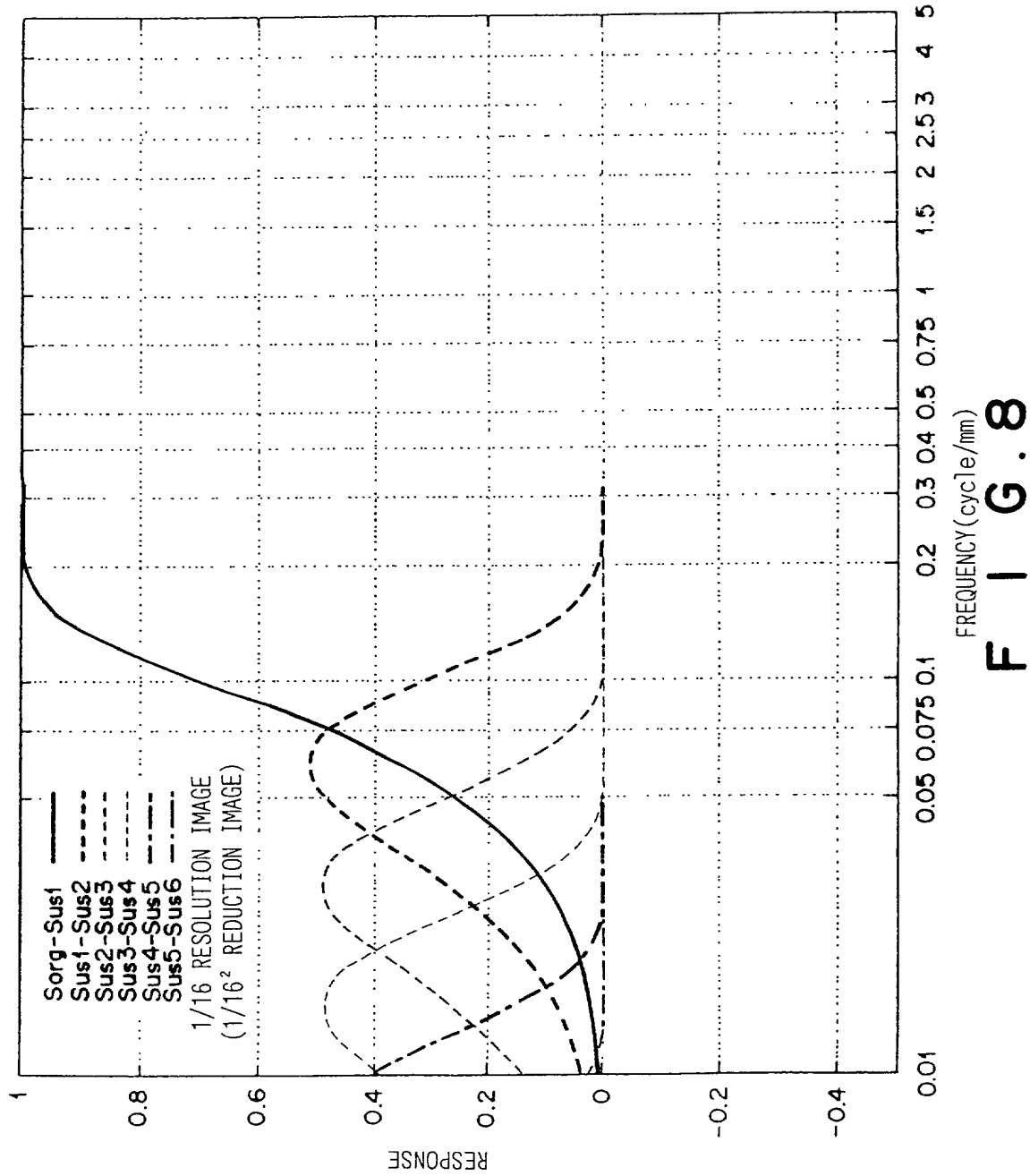




F I G . 6



F I G . 7





# FIG.9

| REFERENCE RESOLUTION IMAGE                                   | Sorg | Sus 1 | Sus 2 | Sus 3 | Sus 4 | Sus 5 | Sus 6 |
|--|------|-------|-------|-------|-------|-------|-------|
| 1/2 RESOLUTION IMAGE<br>(1/2 <sup>2</sup> REDUCTION IMAGE)   |      | Sorg  | Sus 1 | Sus 2 | Sus 3 | Sus 4 | Sus 5 |
| 1/4 RESOLUTION IMAGE<br>(1/4 <sup>2</sup> REDUCTION IMAGE)   |      |       | Sorg  | Sus 1 | Sus 2 | Sus 3 | Sus 4 |
| 1/8 RESOLUTION IMAGE<br>(1/8 <sup>2</sup> REDUCTION IMAGE)   |      |       |       | Sorg  | Sus 1 | Sus 2 | Sus 3 |
| 1/16 RESOLUTION IMAGE<br>(1/16 <sup>2</sup> REDUCTION IMAGE) |      |       |       |       | Sorg  | Sus 1 | Sus 2 |

FIG.10

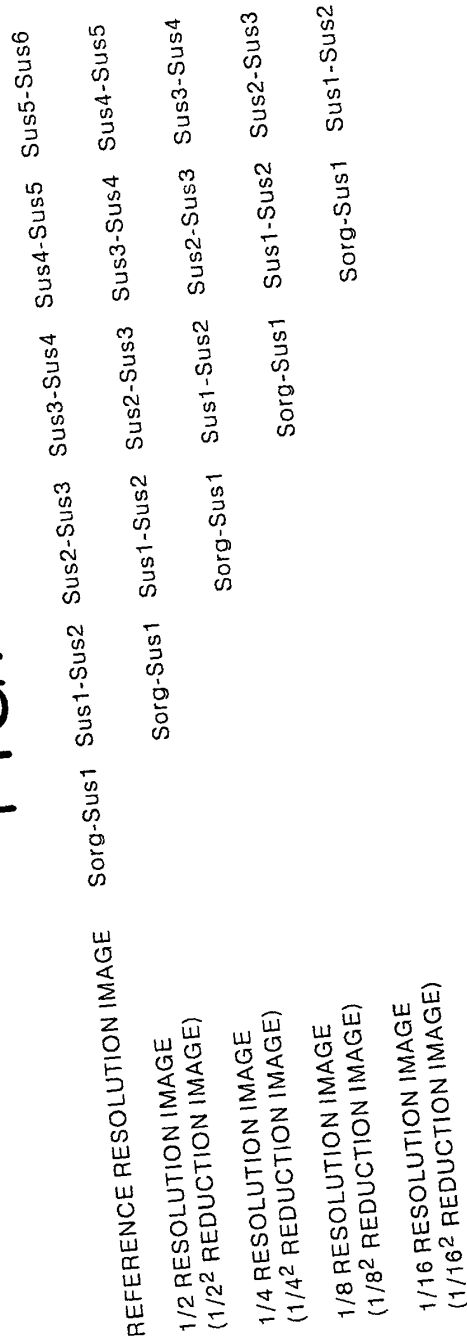
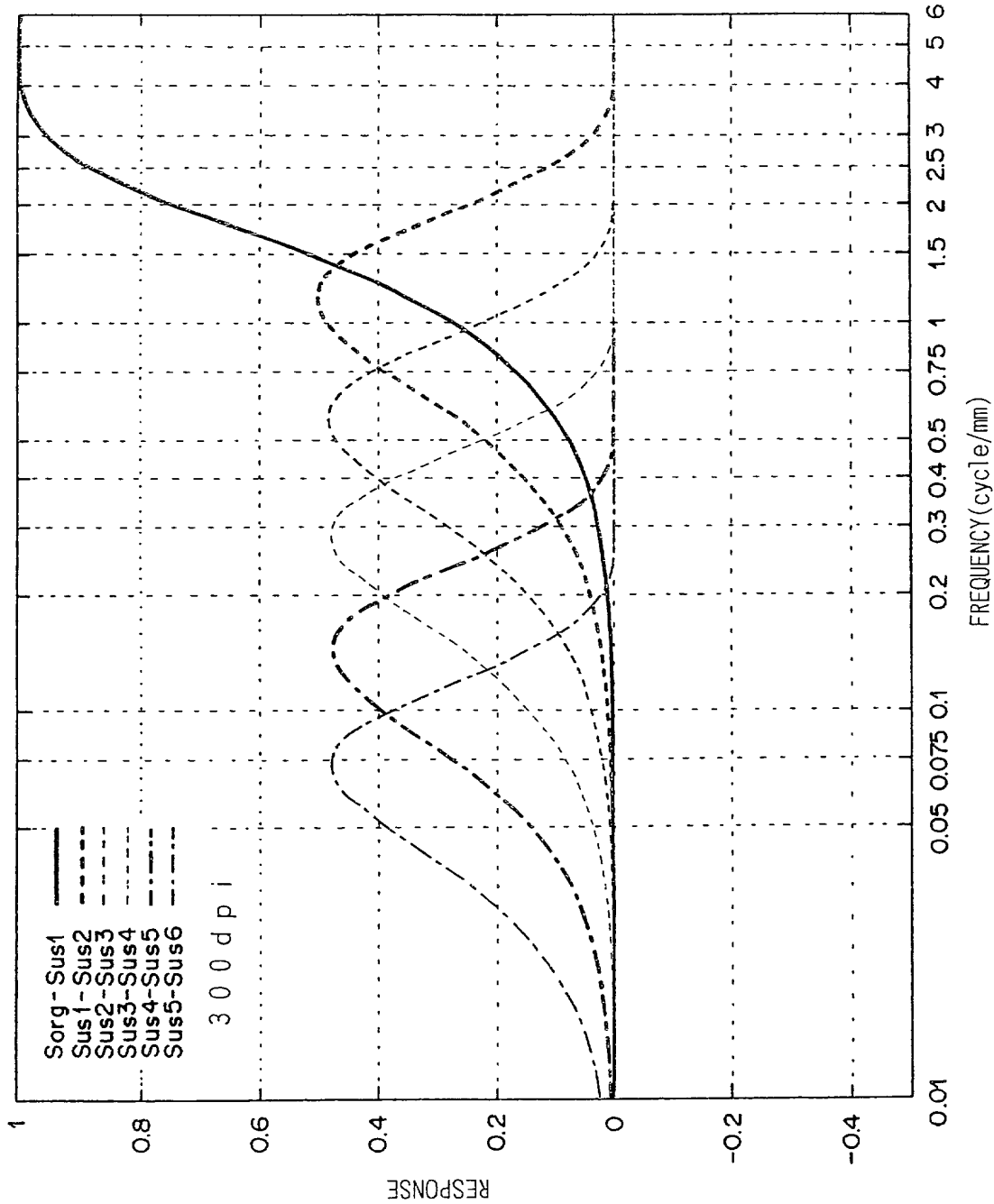
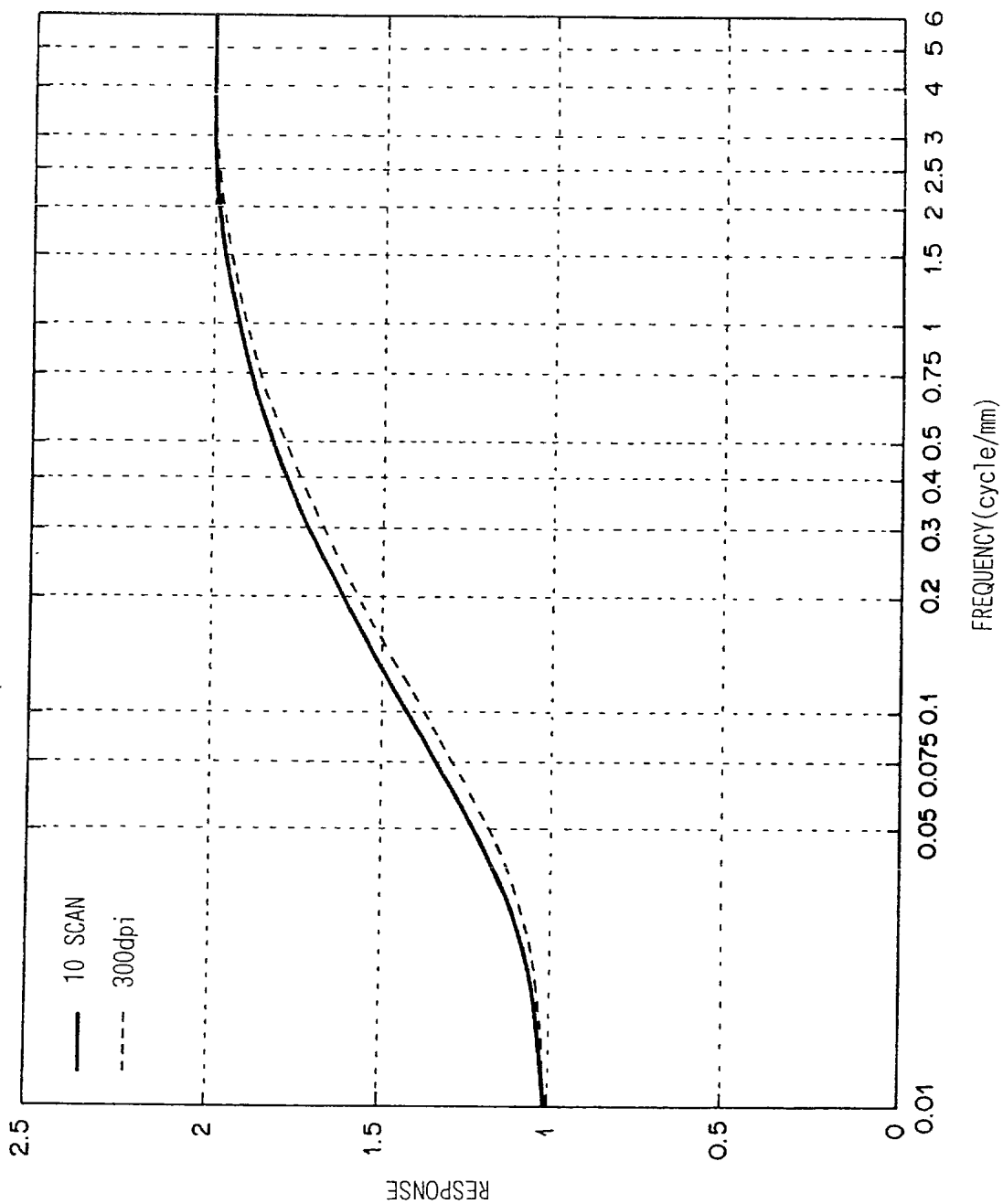


FIG.11

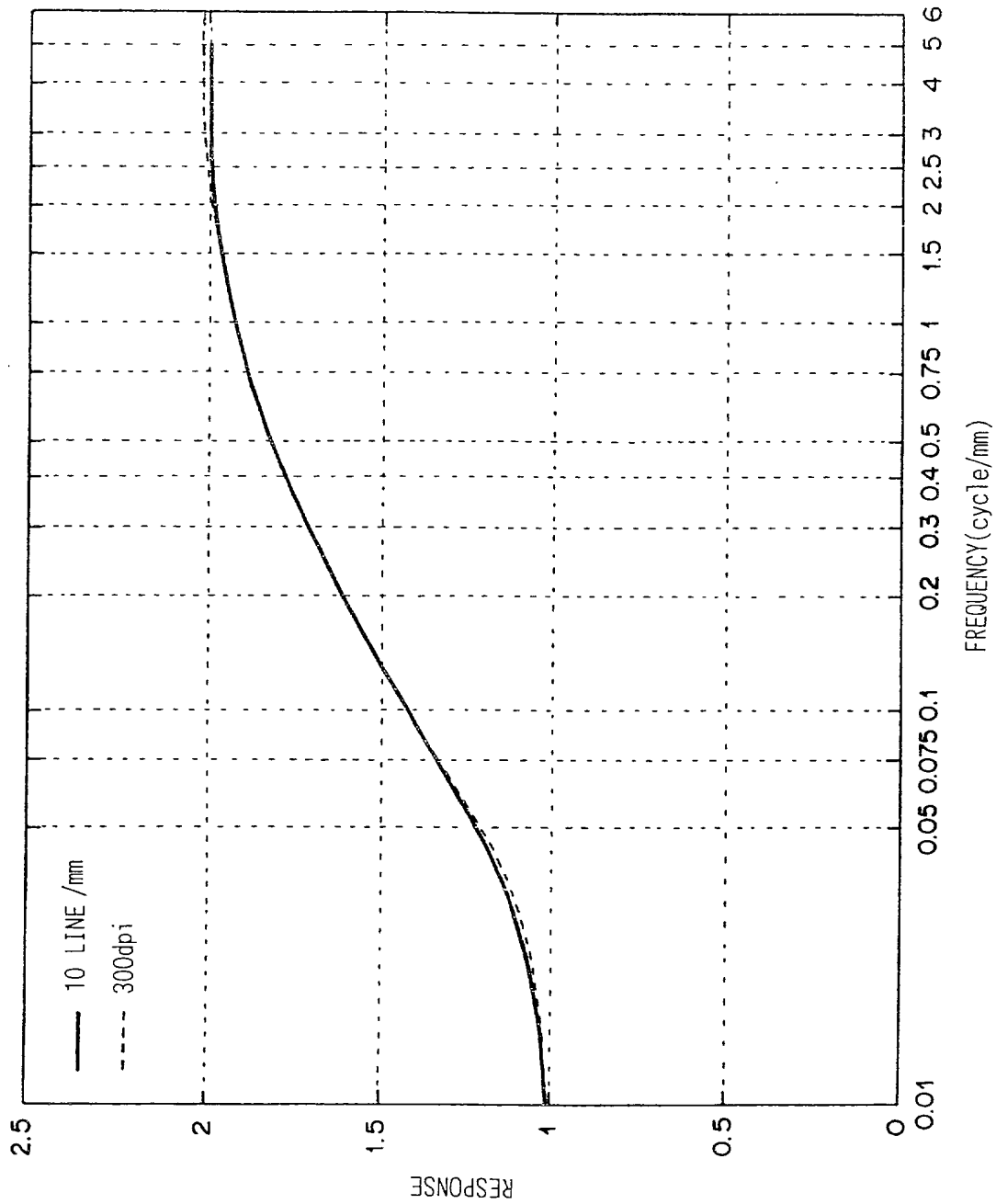
|  |     |     |     |     |     |     |
|--|-----|-----|-----|-----|-----|-----|
| REFERENCE RESOLUTION IMAGE                                   | f 1 | f 2 | f 3 | f 4 | f 5 | f 6 |
| 1/2 RESOLUTION IMAGE<br>(1/2 <sup>2</sup> REDUCTION IMAGE)   |     | f 2 | f 3 | f 4 | f 5 | f 6 |
| 1/4 RESOLUTION IMAGE<br>(1/4 <sup>2</sup> REDUCTION IMAGE)   |     |     | f 3 | f 4 | f 5 | f 6 |
| 1/8 RESOLUTION IMAGE<br>(1/8 <sup>2</sup> REDUCTION IMAGE)   |     |     |     | f 4 | f 5 | f 6 |
| 1/16 RESOLUTION IMAGE<br>(1/16 <sup>2</sup> REDUCTION IMAGE) |     |     |     |     | f 5 | f 6 |



F I G . 12



F I G . 13



F I G . 14